

6. (Original.) A method of claim 4, wherein the step of selecting comprises adjusting navigation settings aboard the aircraft to alter the data.

7. (Original.) A method of claim 1, further comprising generating one or more situation awareness symbols on the display.

8. (Original.) A method of claim 7, wherein the step of generating one or more situation awareness symbols comprises generating one or more of the following: an attitude symbol reflecting aircraft speed; an attitude symbol reflecting aircraft altitude; an attitude symbol reflecting aircraft pitch; and a compass symbol reflecting heading.

9. (Original.) A method of claim 7, wherein the step of generating one or more situation awareness symbols comprises generating one or more landmarks.

10. (Original.) A method of claim 9, wherein the step of generating one or more landmarks comprises generating an airstrip conformal with the earth ground perspective view.

11. (Original.) A method of claim 1, wherein the step of collecting navigation and attitude data from the aircraft comprises acquiring aircraft speed and altitude from air and attitude instruments of the aircraft.

12. (Original.) A method of claim 1, wherein the step of collecting at least one of navigation and attitude data from the aircraft comprises acquiring one or more of the following from navigation instruments of the aircraft: direction to next waypoint, last waypoint information, and left/right deviation.

13. (Amended.) A display system for IMC, comprising: an information collation unit for acquiring data from navigation and attitude instruments of an aircraft; and an image processing unit for (a) generating a primary flight display as a function of the data to show a perspective view of earth ground and horizon that are substantially conformal with a VMC view from the aircraft and (b) generating at least one of a current or next waypoint symbol on the display.

14. (Original.) A display system of claim 13, the information collation unit acquiring aircraft speed and altitude from the air and attitude instruments of the aircraft.



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H000-1-1749ROA

15. (Original.) A display system of claim 13, the information collation unit acquiring information including direction to next waypoint and last waypoint direction from the navigation instruments of the aircraft.

16. (Original.) A display system of claim 13, further comprising a monitor for showing the display within the aircraft.

17. (Original.) A display system of claim 13, the image processing unit generating the current waypoint collocated with the horizon.

18. (Original.) A display system of claim 13, the image processing unit generating the next waypoint collocated with the horizon.

19. (Amended.) In an IMC navigation system within an aircraft, the improvement comprising an image processing unit for (a) collating navigation and attitude data from the system, (b) generating a primary flight display as a function of the data to show a perspective view of earth ground and horizon that are substantially conformal with a VMC view from the aircraft, and (c) generating at least one of a current or next waypoint symbol on the display.

20. (Original.) In an IMC navigation system of claim 19, the further improvement wherein the image processing unit responds to one of user inputs or navigation controls to alter the symbol and view on the display.



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